

CLAIMS

We claim:

- 5 1. A portable computer device, comprising:
 a microcomputer having a connector socket for directly
 connecting a cartridge to the microcomputer;
 a cartridge having a plurality of connector sockets, at
 least one of the plurality for connecting the cartridge to the
10 microcomputer, and at least another one of the plurality for
 connecting the cartridge to an additional cartridge,
 wherein the microcomputer can execute instructions on the
 cartridge and the additional cartridge without having to
 disconnect the cartridge and the additional cartridge.
- 20 2. The device of claim 1, wherein the microcomputer
 includes at least one additional connector socket for directly
 connecting an additional cartridge with the microcomputer.
- 25 3. The device of claim 1, wherein the cartridge includes
 another additional connector for directly connecting the
 additional cartridge.
- 30 4. The device of claim 1, wherein the connector socket of
 the cartridge is placed on its side and the additional cartridge
 when connected is perpendicular to the cartridge.
- 35 5. The device of claim 1, wherein the cartridge and the
 additional cartridge have equal thickness.
- 40 6. The device of claim 1, wherein the cartridge and the
 additional cartridge have different thickness.

7. The device of claim 1, wherein the cartridge and the additional cartridge have the same dimensions in height, width, and length.

5 8. The device of claim 1, wherein the cartridge and the additional cartridge have different dimensions in any one or more of height, width, and length.

10 9. The device of claim 1, wherein the microcomputer further includes a screen and a keypad with at least control keys.